KOLODZIEJ, JOHN

From: KOLODZIEJ, JOHN
Sent: Tuesday, December 31, 2019 8:48 AM
To: 'LeRoy, Bruce J - DNR (BJ)'
Subject: RE: Door County Salt Storage Facility Update
Attachments: 20191231082939687.pdf

BJ,

Attached is a scanned copy of the Sodium and Chlorides sampling that was done from the remaining well associated with the Door County facility.

This property continues to be occupied intermittently as a seasonal home.

The sodium levels have tested at 171 mg/l this year, and were at 175 mg/l in 2018, which are significantly lower than 2015 levels which were at 487 mg/l.

The chloride levels tested at 327 mg/l in 2019. Historical chloride levels were 414 mg/l in 2016 and 461 mg/l in 2015 and 704 mg/l in 2009.

Any recommendations on potential site closure, or action on our behalf is appreciated.

Thank you.

John Kolodziej
Highway Commissioner

From: LeRoy, Bruce J - DNR (BJ) <bruce.leroy@wisconsin.gov>
Sent: Wednesday, August 21, 2019 8:13 AM
To: KOLODZIEJ, JOHN <kolodzie@co.door.wi.us>
Subject: RE: Door County Salt Storage Facility Update

John, thanks for the update. As you can tell, I'm just looking for ways to bring this to closure.

Let me discuss the new results with someone in drinking water, and then we'll make recommendations on the best way to close the case.

BJ

BJ LeRoy
Wisconsin DNR
920-662-5164
BJ.LeRoy@wisconsin.gov

From: KOLODZIEJ, JOHN <kolodzie@co.door.wi.us>
Sent: Wednesday, August 21, 2019 8:10 AM

1001 S DULUTH AVE
STURGEON BAY, WI
54235

CW19021

Clean Water Testing

1990 Prospect Ct., Appleton, WI 54914 * 800-801-7590

RUSSELL SALFI
EPHRAIM WELLWATER TESTING
10285 TOWNLINE RD
SISTER BAY, WI 54234

Home Owner	DOOR CO HIGHWAY DEPT (
Well ID/Address	ST HWY 57 - PRIVATE
Well City	SISTER BAY, WI 54234
Sample Location	
Lab #	510783
Collected By/Date	GREGG 9/18/2019

Report Date *24-Sep-19*

Analyte	Result	Units	LOD	LOQ	Dil	Dig Date	Run Date	Mthd	Analyst	QC Code
General										
Wet Chemistry										
Chlorides	**327**	mg/l	26	86.7	10		9/19/2019	300.0	KL	1
(as Cl) Small amounts of chloride are natural; the chloride ion is one of the major inorganic anions in water. However, levels above 200 mg/L are undesirable and often unnatural. They can indicate road salt, septic waste or fertilizer contamination.										
Inorganic										
Metals										
Sodium	**171**	mg/l	0.19	0.62	1		9/23/2019	200.7	NMP	1
(as total Na)...Sodium is a common element found in ground water and is an essential nutrient for humans. In large concentration it may affect persons with cardiac difficulties. The EPA has set a health advisory limit for sodium in drinking water for 200 mg/L (parts per million). Elevated levels in well water may indicate agricultural or road salt runoff.										

LOD Limit of Detection None Detected = Result was less than the LOD LOQ Limit of Quantitation

Where dilutions are indicated on test results, limits of detection and quantitation have been adjusted accordingly

Code	*Comment*
1	All laboratory QC requirements were met for this sample.

Laboratory Director Michael Hunter

ROB ROBINSON 920-493-2627